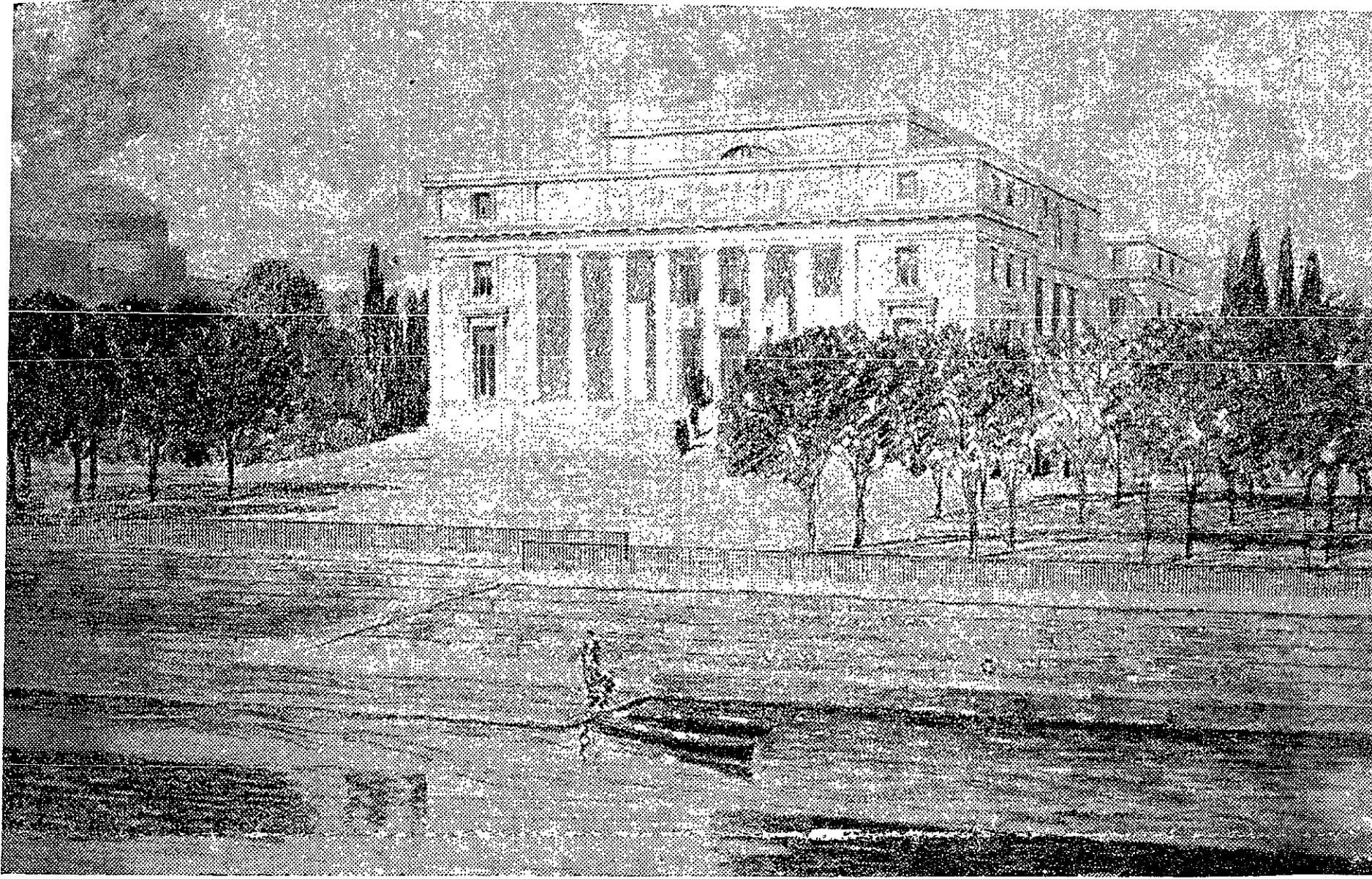


## New Walker Memorial Which Is Housing 250 Naval Fliers



THE WALKER MEMORIAL, Technology's student social center, opened Tuesday morning, as a barracks for two hundred and fifty naval aviators and a hundred and fifty cadets of the Naval Reserve school at the Institute. The new building is named in memoriam of Francis Amasa Walker, second president of the Institute, who, at the age of twenty-five, was a general in the Union Army during the Civil war. That the structure which bears his name should be used for so useful a war service is a singular tribute to this military president of the Institute.

## MACHIAS CAMP ENDS FOR COMPANY A MEN

First Camp Cunningham Quota  
Dismissed Tonight After Eight  
Weeks of Training—Company  
B Home the Fourteenth

### TAKE MOVIES OF TRACK MEET

Camp Cunningham ends today, as far as Company A is concerned.

The first quota of men, now completing their ninth week at the camp in Technology, Maine, will be dismissed tonight and are expected in Boston tomorrow morning in considerable numbers. Sufficient progress had been made in the course in third year applied mechanics under Professor Smith, that it was found possible to give the examination in this subject this morning instead of sometime next week. Notice was given Monday by Major Russell after a short talk to the students in Bemis Hall that Company A would be dismissed tonight.

Company B, composed of students in civil engineering, regularly attending the summer camp, at Machias, will remain to finish their courses in surveying, returning to Boston on Sept. 14. Company B, forming the second Camp Cunningham quota, will have had only a six weeks' stay at the camp when they return a fortnight hence.

Labor Day was a gala one for Camp Cunningham. Guests from neighboring towns, and relatives of the student soldiers, swarmed to the camp to see the track and field meet. The movie man of the International Film Service was present to film the doings of the day for 'The Tech'. The "still" photos will fill a whole page of the paper sometime next week, while the "movies" after being censored will be exhibited in the Walker Memorial after the Institute opens next term.

### WAR DEATH RATE AVERAGES 11 OUT OF EVERY 1000

Five and One-Half Per Cent of Mobilized Strength Lost in Battle of Marne

The Committee on Public Information has obtained from official sources the most nearly accurate figures possible on the percentage of fatalities in relation to casualties on the western front. These figures, taken when the casualties were greatest in proportion to mobilized strength and combined with the highest proportion of deaths, show losses due to deaths from wounds and killed in action to be approximately 11 in every 1,000 of mobilized strength.

### High-Water Mark Early in War

According to the figures presented by the French High Commissioner in his letter to the Secretary of War, the high-water mark of casualties in the French army was reached early in the war—at the battles of Charleroi and the Marne. The casualties in that period were 5.41 per cent of the mobilized strength, or 541 men in every 10,000 with the colors.

Military experts in this country agree that the killed in action and died of wounds have never at any time in this war exceeded 20 per cent of the total casualties. This gives a figure of 108.2 fatalities from these causes in every 10,000 mobilized strength, or practically 11 men killed in action or died of wounds for every 1,000 men with the colors.

### U. S. COLLEGE MEN STUDY FLYING IN CAMBRIDGE, ENG.

CAMBRIDGE, Eng., Sept. 5.—A large party of American college men has begun a course in training here for the aviation service.

### The Military Situation

What is Happening in Europe—  
What Will Happen in the Struggle  
of Democracy Against Autocracy—  
will be interestingly told by our  
Military Expert in

Next Tuesday's Issue  
OF THE TECH  
Be Sure and Get Your Copy

### AMERICAN FIELD AMBULANCE CORPS NOW UNDER RED CROSS

Change of Management Will Enable  
Drivers to Enlist in Army

PARIS, Aug. 29.—The American Red Cross took over control of the American Field Service Ambulance Corps today.

This action marks a long step in bringing about cooperation among the fighting forces in France. It also ends definitely the controversy between American drivers who want to enlist in the fighting forces and the officials of the Ambulance Corps.

Up to the present time A. Pratt Andrews, head of the Ambulance Corps, has refused to grant honorable discharges to members of the corps who desired to enter the army. He insisted that members of the corps must serve out their enlistment.

Under the new regime, all men who wish to enter the fighting forces of the United States will be released automatically.

### CAMOUFLAGE UNIT OF ARMY IN NEED OF SKILLED MEN

Painters, Stage Workers and Photographers are Wanted

WASHINGTON, Aug. 9.—For the first American "camouflage unit," the army chief of engineers today issued a call for enlistment of "ingenious young men looking for special entertainment in the way of fooling Germans."

It is planned to organize a company of camoufleurs largely from among iron and sheet metal workers, sign and scene painters, carpenters, cabinet makers, stage carpenters, property men, plaster moulders and photographers. These men will devote their wits to devising means of deceiving enemy observers, particularly aviators. The literal meaning of camouflage, a French music hall term, is "faking."

Applicants are asked to communicate with the Chief of Engineers, War Department.

### TRAIN FLIERS AT FT. WORTH

Transplant Royal Flying Corps  
Unit There From Canada

The Signal Corps has made arrangements to establish a flying school at Fort Worth, Tex., where English instructors will assist American officers in preparing American fliers for air service on the western front.

American student fliers are already under training in the Royal Flying School at Toronto, Canada. During the winter conditions are less favorable for flights in Canada, so about November 1 the instructors, students, and some of the equipment will be transferred to the Fort Worth school, a name for which has not yet been adopted. It is expected that by that date a sufficient portion of the barracks, machine shops, class rooms, hangars, etc., will be completed to provide for the opening of the school.

### Four Squadrons Under Training

Four squadrons—600 men—will probably be under training in the new school when completed. Some of these will be machinists necessary to keep planes and engines in proper condition. A large number of such men are required with every flying unit.

American and English instructors are considered by the Signal Corps an ideal combination. In teaching students to fly no country is acknowledged to have developed a better system than the United States, but in turning out men trained for actual fighting our instructors lack the actual experience of the English instructors.

### Several Flying Fields

The Fort Worth school will follow the practice pursued at other large schools of having several flying fields within flying distance of each other, but widely enough separated to give the student fliers plenty of room when in the air. It is roughly figured that a square mile is a good allowance for two squadrons whose flying equipment is 72 planes. Usually not more than 36 of those would be in the air at one time.

### GIVES \$30,000 TO AID GOV'T IN TORPEDO-AEROPLANE TEST

Godfrey Cabot '81 Places Fund at Rear  
Admiral Fiske's Disposal

Godfrey L. Cabot '81, a wealthy manufacturer of Boston, president of the Aero Club of New England and a vice-president of the Aero Club of America, has put \$30,000 at the disposal of Rear Admiral Bradley A. Fiske, U. S. N., retired, the inventor of the torpedoplane, for the development of a craft capable of carrying and launching a full-sized torpedo the weight of which is 2,000 pounds. In announcing his gift Mr. Cabot said he was convinced the torpedoplane offered the only apparent means of destroying the German fleet, which, in Kiel and Wilhelmshaven, is protected from attack by other war vessels, rows of mines, and shore batteries. Mr. Cabot intimated also that if \$30,000 were not enough for the purpose he would enlarge his contribution.

Admiral Fiske's device, which he patented in July, 1912, has been successfully operated on existing seaplanes, but torpedoes weighing no more than 200 pounds have had to be employed because of the inability of the seaplanes and navigators to handle any greater weight. Now, however, seaplanes are being produced which are capable of carrying this bulk of useful weight, and it apparently remains only to adapt one of them to the Admiral's device so that the torpedo may be carried rigidly, properly aimed, and launched at the right moment.

So far as this country is concerned the development of Admiral Fiske's idea has been done by voluntary and private subscription. The Government did not take it up, although Great Britain, Italy, and Germany seemed to realize its possibilities, and there has been evidence to prove that they have experimented in its use, though to what extent is not known.

It is known, however, that the British began experiments with the torpedoplane in the autumn of 1913, and in August, two years later, had developed it to such an extent that a naval lieutenant sank four Turkish vessels in the Sea of Marmora, using fourteen-inch

### PICNIC IN WASHINGTON

Capital Alumni Club Have Out-  
ing Despite Weather

In defiance of dubious weather conditions, the Washington Association held its picnic meeting, postponed from Thursday, Aug. 30, in the afternoon and evening of Friday, Aug. 31, at Pierce's Mill, Rock Creek Park. The number attending was somewhat smaller than had been anticipated, but the party made up in enthusiasm what it lacked in numbers.

Proceedings opened with a bad attack of consumption, centering on the provisions supplied by the Committee in charge. Mrs. W. C. Dean, wife of Dean '00, presided ably at the serving table.

After dinner, Professor H. G. Pearson's report on his trip through the alumni centers was read, and the activities of Technology men in the various branches of service and in France were briefly reviewed. The subject of a Technology House, to accommodate some of the many Institute men located temporarily in Washington, was also broached, and the Assistant Secretary was instructed to continue his search for such accommodation. The meeting closed with the circulation of the ever-present hat.

torpedoes weighing 731 pounds each. Captain Alessandro Guidoni of the Italian Navy tried out the scheme successfully, hitting the target nine out of ten times at a range of 3,000 yards. Germany disclosed her adoption of the plan when a torpedoplane sank the British steamship Gena on May 1, 1916, off Aldeburg, Suffolk, England.

In contrast to this the United States Government so far has not experimented with the torpedoplane, and it is hoped now that, with the aid supplied by Mr. Cabot, the device may be developed to such an extent that its adoption by this government will follow as a matter of course.



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Although communications may be published unsigned if so requested, the names of the writer must in every case be submitted to the editor. The Tech assumes no responsibility, however, for the facts as stated nor for the opinions expressed.

The Editor-in-Chief is always responsible for the opinions expressed in the editorial columns, and the Managing Editor for the matter which appears in the news columns.

FRIDAY, SEPTEMBER 7, 1917

THE Institute closed last June with the United States just entering into a mighty war. Undergraduate were told, "Remain at the Institute; to complete your education as an engineer will be 'your bit'; do not become panic stricken with the war fever." To the mind of the average undergraduate these words sounded sensible, and he "stuck."

Now a summer has passed and one set of training camps have graduated their quotas of reserve officers, and a half a million men are under arms at cantonments all over the country. This will make doubly difficult the student's task of remaining at his studies while others are making history. The advice in the words, "Remain at the Institute" will still be true wisdom, but the undergraduate will have to fight hard the desire to set aside reason when he hears the tramp of aviators on the gravel in the great court.

## AMERICAN RED CROSS FORMING CANTEN SERVICE FOR U. S. ARMY

### To Aid First Detachments of Troops Sent to Cantonments

WASHINGTON, Sept. 3.—The Red Cross is preparing to care for the comfort of the first detachments of the National Army, which will be sent to the cantonments this week. Under the direction of Winthrop M. Crane, assistant director of military relief, chapters are organizing a canteen service to supplement the regular rations provided by the War Department. Foster Rockwell, former Yale football player, has been named as director of the canteen service.

Half a million illustrated knitting circulars were sent out today from national headquarters to Red Cross chapters throughout the country. The circulars contain full information on how to knit the standardized articles authorized by the woman's bureau of the Red Cross.

Recent cables from Major Grayson M. P. Murphy, Red Cross commissioner in France, emphasize the necessity for warm knitted articles for the men who face the hardships of a winter in the trenches. Army officers request that the knitted articles be forwarded as soon as possible.

The circular is the first of a series to be issued by the woman's bureau, of which Miss Florence Marshall is director. Others are to be issued on the making of comfort kits, hospital garments, surgical dressings and relief kits for the refugee children of France and Belgium.

## FAMOUS NEW YORK PLAYERS PLAN MUSIC FOR FIGHTERS

### Standard Song Book to be Issued for Army and Navy

NEW YORK, Sept. 5.—Plans for standardizing military music were practically completed at a meeting of the Executive Committee for the Supervision of Music in the Army and Navy which was held yesterday in the Civic Club with W. Kirkpatrick Brice, Treasurer of the New York Community Chorus, presiding. It was decided to issue by Oct. 1 a standard song book to be used in all branches of the service and to contain such songs, patriotic and popular, as will be most suitable for singing, both in camp and at the front. The book will be bound in olive drab linen, and will be just large enough to fit into the pocket of the khaki blouse. It will be purchasable for a nominal sum at all post exchanges.

In all the larger training camps there will be a leader to conduct mass singing. These leaders will work under the supervision of Harry Barnhart, leader of the Community Chorus in New York, who will be stationed at Yaphank. John Alden Carpenter, the Chicago composer will devote himself to standardizing the music curriculum of the army and navy bands. Max Morgenthau, nephew of Henry Morgenthau, former United States Ambassador to Turkey and a member of the Executive Committee, said the object of the committee was not to censor military music but to stimulate it. Original songs will be encouraged, and there will be room in the song book for new airs produced during the war.

## NEBRASKA DEFENCE COUNCIL ASKS COLLEGE HEAD TO QUIT

### President of State University Has Not Disproved Disloyalty Charge

LINCOLN, Neb., Sept. 6.—The Council of State and County Councils of Defence, held here, has demanded the immediate removal from the presidency of the board of regents of the University of Nebraska of Frank L. Haller, alleging that he has failed to answer or acquit himself of charges of disloyalty preferred against him some time ago by the State Council of Defence. His resignation as a member of the board of regents also is asked for.

A resolution also was adopted by the Council asking for the repeal of the Mockett law, by which schools are forced to offer the German language course of study in State grade schools. It also authorized teaching of any modern European language in Nebraska grade schools, and protested against the teaching of German in high schools of the State during the war.

The conference also asked for deportation and confiscation of property by Federal officials for treasonable utterances. A demand also is made for the suppression of the German language press until it shall voluntarily purge itself of "disloyalty and cease its insidious methods of poisoning the minds of its readers against the United States Government."

## DEWEY '09 IN CHARGE OF SANITARY CORPS ENLISTMENTS

Maj. Bradley Dewey '09, Sanitary Corps, in addition to his other duties, will make enlistments for the Sanitary Corps. Before the war Dewey was a chemical engineer with the American Sheet and Tin Plate Company.

## U. S. ARMY MAY HAVE MORE OFFICERS' TRAINING CAMPS

### War Department Considers Ordering Third, Possibly Fourth

WASHINGTON, Sept. 6.—Secretary Baker said today that the war department was considering, but had not yet ordered, a third camp for training reserve officers, and might even decide to have a fourth camp. He also intimated that camps in addition to these might be authorized while the armies of the nation were being prepared.

## SPEEDING UP

(From the Providence Journal)  
A locomotive manufactory in Pennsylvania is turning out its completed products at the rate of nine a day.

To achieve this result 5,000 men are kept busy. The engines are of heavy construction and will be of great assistance in the solution of our world-wide transportation problems. Most of them, it is said, are for war service.

Two years ago the same concern was proud of its record of one locomotive a day. Its present nine-fold increase is proportionally remarkable.

Other American industries have made an extraordinary showing in response to war conditions. It all goes to show that we are capable of a good deal of "efficiency" on this side of the ocean when we get started.

## HARVARD MAY ADMIT WOMEN

As a war measure purely a limited number of women may be admitted this year to the courses of the Harvard Medical School. But they will not receive the university degree. Formal action along this line has not been taken by the corporation but tentative arrangements are being made and will probably become effective by the time college opens for the new session.

## RADIO DRAFTSMEN WANTED

The General Radio Company, 11 Windsor street, Cambridge, desires the services of several men for temporary work on the drafting of wireless apparatus. This work should appeal to undergraduates. Apply directly to Mr. Eastham, General Radio Company.

Automobile dealers in Greensburg, Penn., find it more profitable to sell machines to coal miners than to operators. Since miners are making as much as \$200 to \$300 a month, they have affected many of the styles of their employers. Never in the history of the mining industry in Westmoreland County has such prosperity been enjoyed by the miners.

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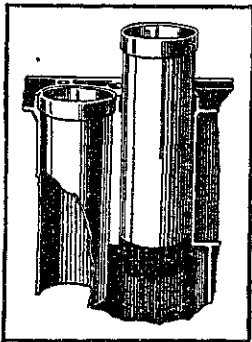
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DISCUSS STEEL FOR JAPAN

Secretary Lansing Opens Formal Con- ferences With Ishii Mission

WASHINGTON, Sept. 6.—Formal conference with the Japanese mission began today when Secretary Lansing re- ceived Viscount Ishii, head of the mis- sion. Neither the Japanese nor the Secretary of State has indicated the exact character of the subjects that will be discussed, but it has been clear that it will be left to the Japanese to sug- gest the topics and in the order in which they will be taken up.

The supplying to Japan of steel to carry out her enormous shipbuilding plan, will be given early consideration. That question and others affecting fur- ther strengthening Japan's economic and industrial position probably will be the main point at issue, all questions referring to political or diplomatic sub- jects not affecting the conduct of the war being laid aside.

The position of the United States will be that such questions now have no place in the joint war program of the two nations and it has been assumed that Japan will conform to this posi- tion.

Japan has insisted that assistance in securing steel will enable her to place her ships on the seas at a much earlier date than otherwise and she will devote most of them to the allied tonnage in the Atlantic.

ARMY WILL HAVE FOOTBALL TEAM ON FIELD THIS FALL

WEST POINT, N. Y., Sept. 4.—The military academy will have a football team on the gridiron this fall, it was announced today. Authorization has been received from the War Department for the cadets to participate in contests with other colleges, but there will be no game with the Navy. The West Pointers will endeavor to arrange a schedule of games to take the place of that cancelled early in the year when orders from the Secretary of War abol- ished all outside competition in sports.

Capt. Geoffrey Keyes, West Point 1913, who is an instructor on duty here, will act as head coach. Keyes played halfback during his last three years on the Army team. The West Pointers will make no effort to get officers de- tailed here from the War Department to act as coaches and will employ no out- side coaching force. Capt. J. E. McMa- hon has been appointed football repre- sentative and Capt. U. B. Crawford is secretary of the Army athletic council. Cadet Elmer Q. Oliphant is to captain the army team this season.



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NEWS from the fifty local Technology Associations all over the Country.

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Mrs. Edward Cunningham, Chairman.

NEWS of the varied activities of the Institute itself and of its teaching staff.

Kenneth Reid '18, Editor-in-Chief.

THE TECH

Paul C. Leonard '17, General Manager.



## U. S. NEEDS TECHNICAL MEN FOR SERVICE DURING WAR

For further information concerning these positions, communicate with the nearest Secretary of the Civil Service Commission or the M. I. T. Committee for National Service, 908 Union Trust Bldg., Washington, D. C.

Position	Service	Salary	Date of Exam	Cir. No.
Laboratory Aid in Foreign Seed and Plant Introduction	Bureau Plant Industry, Dept. Agriculture	\$500-\$9,000	Sept. 19	1808
Asst. Inspector Cloth Equipment	Bureau Ordnance, War Dept.	\$80-\$125 per m.	Sept. 19	1370
Asst. Inspector of Leather	Bureau Ordnance, War Dept.	\$100-\$125 per m.	Sept. 19	1370
Asst. Inspector Small Hardware	Bureau Ordnance, War Dept.	\$80-\$125 per m.	Sept. 19	1370
Asst. Inspector of Textiles	Bureau Ordnance, War Dept.	\$80-\$125 per m.	Sept. 19	1370
Asst. Inspector Leather Equipment	Bureau Ordnance, War Dept.	\$100-\$125 per m.	Sept. 19	1370
Asst. Testing Engineer	Public Rds., Dept. Agr.	\$1,800-\$2,500	Sept. 11	1803
Printer	Government Printing Office	50c.-60c. per hr.	Sept. 19-20	1806
Fireman, Bureau Standards	Bureau Standards	\$660-\$720	Sept. 19	1807
Statistician	Ordnance Dept., War Dept.	\$1,800	Sept. 11	1804
Timber Inspector	Industrial Dept., Navy Yard	\$4.24 per diem \$4.72 per mills	Sept. 11	1895
Inspector, Child Labor Division	Children's Bureau, Dept. of Labor	\$1,800-\$2,400	Sept. 18	1875
Bookkeeper	Departmental Service	\$1,000	Sept. 19	1865
Civil Engineer	Philippine Service	\$1,560-\$3,000	Sept. 18	1866
Law Clerk, Stenographer and Typewriter	Bureau Naturalization, Dept. Labor	\$1,000-\$1,400	Sept. 19-20	1897
Assistant in Crop Physiology	Bureau Plant Industry, Dept. Labor	\$1,200-\$1,500	Sept. 19	1896
Construction Engineer	Philippine Service	\$1,560-\$3,000	Sept. 18	1868
Mechanical and Electrical Engineer	Philippine Service	\$1,560-\$3,000	Sept. 18	1867
Assistant in Marketing Dairy Products	Bureau Markets, Dept. Agriculture	\$1,800-\$2,400	Sept. 25	1902
Junior Assistant in Marketing Dairy Products	Bureau Markets, Dept. Agriculture	\$1,200-\$1,600	Sept. 19	1901
Special Agents and Research Assistants	Children's Bureau, Dept. Labor	\$1,200-\$1,680	Sept. 19-20	1869
Asst. Inspectors, Child Labor Division	Children's Bureau, Dept. Labor	\$1,200-\$1,680	Sept. 19	1870
Copyist Draftsman	Children's Bureau, Dept. Labor	\$2,400-\$3,600	Sept. 18	1871
Infant Mortality	Children's Bureau, Dept. Labor	\$1,800-\$2,400	Sept. 18	1872
Assistants in the Prevention of Infant Mortality	Children's Bureau, Dept. Labor	\$1,800-\$2,400	Sept. 18	1873
Experts in Child Welfare	Children's Bureau, Dept. Labor	\$2,400-\$3,600	Sept. 18	1874
Asst. Director, Child Labor Division	Children's Bureau, Dept. Labor	\$2,400-\$3,600	Sept. 18	1874
Land Classifier	Geological Survey	\$1,800-\$2,400	Sept. 18	1798
Inspectors of Ordnance Equipment	Ordnance Dept.	\$2,000-\$2,400	Sept. 18	1770
Senior Expert Electrical and Mechanical Aid	Bureau Steam Engr., Navy Dept.	\$12 per diem	Sept. 18	1904
Designing Engineer, Armor Plant and Steel Mill	Bureau Y & D, Navy Dept.	\$10-\$16 per diem	Sept. 11	1934
Designing Engineering, Heavy Steel Mill Construction	Bureau Y & D, Navy Dept.	\$10-\$16 per diem	Sept. 11	1934
Designing and Construction Engineer, Furnace Plant	Bureau Y & D, Navy Dept.	\$10-\$16 per diem	Sept. 11	1934
Hydraulic and Sanitary Engineer	Bureau Y & D, Navy Dept.	\$10-\$16 per diem	Sept. 11	1934
Investigator in Accounting and Office Management	Bureau Efficiency	\$2,000-\$3,000	Sept. 18	1669
Inspector of Cloth	Ordnance Dept.	\$2,500-\$3,000	Sept. 18	1937
Trained Nurse	Indian Service	\$720	Sept. 18	1952
Experts in the Prevention of Assistant in Marketing Live Stock and Meats, Grade 1	Naval Torpedo Station	\$2.56 per diem	Oct. 3	1950
Assistant in Marketing Live Stock and Meats, Grade 2	Bureau Markets, Dept. Agriculture	\$1,800-\$2,400	Sept. 25	1941
Dynamo Tender	Bureau Markets, Dept. Agriculture	\$1,200-\$1,800	Sept. 19	1939
Field Assistant in Forest Pathology	Bureau Engraving and Printing	\$3.68 per diem	Sept. 19	1936
Clerk Qualified as Typewriter Repairer	Bureau Plant Industry, Dept. Agriculture	\$1,200-\$1,620	Sept. 19	1935
Cook	Bureau Pensions	\$1,200	Oct. 3	1917
Forest Assistant	Indian Service	\$480-\$660	Oct. 3	1955
	Philippine Service	\$1,600	Oct. 3-4	1951

### OFFICIAL FROM THE M. I. T. Committee for National Service

JAMES P. MUNROE, Chairman

WASHINGTON BUREAU  
908 Union Trust Building  
JOHN M. DeBELL '17 in Charge

A direct means of communication between the Technology and the National Government. If there is anything you wish to know in Washington, write to the Technology Bureau.

#### Personals

Among the callers at the Washington office during the past few days have been: H. M. Phillips '92, Inspector for the Bureau of Steam Engineering, Navy Department, who will locate in Washington; Pond '15, who is with the 1st Battery, R. O. T. C., at Fort Myer; R. H. Howes '03, of the New York Club; J. P. Uhlinger '16; R. L. Parsell '14, and H. S. May '02, Manager of the General Bakelite Company.

Albert Holmes, 2nd Lieut., E. O. R. C., is now in France attached to one of the engineer regiments which left recently.

Leonard Stone '15 and J. F. Gargan '17, are among the men cited by Creel's Official Bulletin as having qualified for provisional appointment as 2nd Lieuts., Marine Corps.

The American University Training Camp Lists include F. C. Foote '15 and Mark Lemmon '16, Lieut. E. O. R. C.

#### Cataloging the National Army

The Washington Office has definitely ascertained that men who are called

for service in the National army under the Selective Conscription Act will be catalogued upon their arrival at camp through the most complete and efficient system that the leading employers and business managers of the country, in conference at Washington, have been able to devise; and that every effort will be made to properly place the men thus catalogued.

#### Opportunity for Draft Ineligibles

Ten or fifteen men who have graduated from the Institute in the past few years, and who are familiar with the general process of pressed metal work, are wanted immediately for inspection of steel helmets. This is an excellent opportunity for men who, by reason of slight physical disability, are ineligible for the draft, although men above thirty-one could also be used. The work will be, in general, east of Chicago, and pay will run from \$1500 to \$2400 a year. Men interested should write the Equipment Division, Inspection Section, Ordnance Dept., 1330 F St., and send note of the fact to the Washington office.

#### LAFAYETTE NAMES FULLER

Western Educator to be Head of Department of Civil Engineering

EASTON, Pa., Sept. 6 (Special)—Almon H. Fuller, dean of the School of Engineering at the University of Seattle, Wash., and one of the national leaders in engineering education, has accepted the appointment to the head of the department of civil engineering at Lafayette College, which was vacated in June by the resignation of Professor J. Madison Porter. Professor Fuller will be supported by the same corps of assistants as Professor Porter had. Dean Fuller was selected for the post at Lafayette by a committee of

alumni headed by Carroll P. Bassett, a well-known engineer in Summit, N. J., with James Gayley of New York city, E. J. Fox, Esq., of Easton, Abraham Hogeland, chief engineer of the Great Northern Railroad and Horace C. Booz, chief construction engineer of the Pennsylvania Railroad.

#### THREE-MAN BIPLANES USED BY GERMANS IN ENGLISH RAIDS

PARIS, Sept. 6.—The Gotha airplanes with which the Germans have been bombarding England are biplanes fitted with two motors, developing 150 horsepower and with two tractor propellers, according to Georges Prade, the French aviation expert.

They carry the pilot, a bomb thrower, and a machine-gun operator. All three can serve the quick-firers if they are attacked, as three guns are carried. M. Prade, who has been watching the machines at the front, says that if they pass at an altitude of 13,000 feet on the attack they can return at an altitude of 20,000 feet without their bombs, their supercompressed motors giving them full power at great heights.

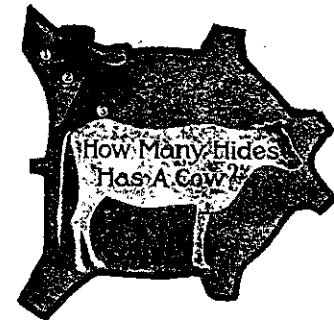
#### CADETS HAVE VACANCIES FOR MORE DESIRABLE MEN

The 101st Engineers, formerly the First corps cadets, will recruit a few more desirable men. There are still vacancies in the ranks of privates, and also places for photographers, riggers, blacksmiths and saddlers. Enlistment is for the duration of the war. The recruiting office is at the First Corps Cadet armory, 130 Columbus avenue, Boston.

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